I. Call To Order

II. Roll Call

PRESENTATIONS

1. Receive Staff presentation and hold discussion regarding the state of Cyber Security at the City, and provide direction to the City Manager.

2. Receive an update and hold discussion regarding the City’s Bond Program related to the Fire Training Facility and the Library addition/renovation, and provide direction to the City Manager.

EXECUTIVE SESSION

3. Executive Session in accordance with the following Government Code Sections:
   A. Section § 551.071 - Consultation with Attorney: to receive a staff briefing and deliberate regarding the creation of Hays County Municipal Utility District No. 8.
   B. Section § 551.087 - Economic Development: to receive a staff briefing and deliberate regarding Hays County Municipal Utility District No. 8.

III. Adjournment.

POSTED ON FRIDAY, AUGUST 23, 2019 AT 5:30PM

JAMIE LEE CASE, CITY CLERK

Notice of Assistance at the Public Meetings

The City of San Marcos does not discriminate on the basis of disability in the admission or access to its services, programs, or activities. Individuals who require auxiliary aids and services for this meeting should contact the City of San Marcos ADA Coordinator at 512-393-8000 (voice) or call Texas Relay Service (TRS) by dialing 7-1-1. Requests can also be faxed to 855-461-6674 or sent by e-mail to ADArequest@sanmarcostx.gov
AGENDA CAPTION:
Receive Staff presentation and hold discussion regarding the state of Cyber Security at the City, and provide direction to the City Manager.
Meeting date: September 3, 2019

Department: Mike Sturm, Director of Information Technology

Amount & Source of Funding
Funds Required: N/A
Account Number: Click or tap here to enter text.
Funds Available: Click or tap here to enter text.
Account Name: Click or tap here to enter text.

Fiscal Note:
Prior Council Action: Click or tap here to enter text.

City Council Strategic Initiative: [Please select from the dropdown menu below]
Choose an item.

Comprehensive Plan Element(s): [Please select the Plan element(s) and Goal # from dropdown menu below]
☐ Economic Development - Choose an item.
☐ Environment & Resource Protection - Choose an item.
☐ Land Use - Choose an item.
☐ Neighborhoods & Housing - Choose an item.
☐ Parks, Public Spaces & Facilities - Choose an item.
☐ Transportation - Choose an item.
☐ Not Applicable

Master Plan: [Please select the corresponding Master Plan from the dropdown menu below (if applicable)]
Choose an item.

**Background Information:**
Cyber Security attacks have become prevalent across the nation with an increase focus on government entities. Over the last fourteen years, the City's Information Technology department has proactively taken steps to reduce and mitigate the City’s risk and exposure to a cyber threats.

**Council Committee, Board/Commission Action:**
Click or tap here to enter text.

**Alternatives:**
Click or tap here to enter text.

**Recommendation:**
Click or tap here to enter text.
CITY COUNCIL
Cyber Security Work Session
Tuesday, September 3, 2019

Mike Sturm, Director of Information Technology
Carl Stewart, Assistant Director of Information Technology
Presentation

Staff presentation/discussion regarding the history and state of Cyber Security at the City.

All references to vendor names and software products have been redacted for security reasons. Not all security measures will be discussed as this is a public document and discussion.
Why We Are Here
Cyber Attack History

The City has been compromised by the following cyber attacks:

- Crypto-Locker
- Website – Denial of Service
- Business Email Compromise (4)
Cyber Attacks

*Cyber attack* is any type of offensive action that targets computer information systems, infrastructures, computer networks or personal computer devices, using various methods to steal, alter or destroy data or information systems.

Common Cyber Attacks:

- Denial-of-Service (Dos)
- Phishing and spear phishing (Business Email Compromise)
- Password attack
- Malware (Ransomware)
Cyber Crime Stats – Nation Wide

Cyber crime is criminal activity that is carried out by means of computer or the Internet.

- **60%** Cyber Attack: Percentage of companies that have experienced a cyber attack.
- **10%** Reporting: Only 10% of cyber crimes reported in U.S each year.
- **14 Seconds** Ransomware Attack: Every 14 seconds there is a ransomware attack occurring somewhere in the world.
- **6 Months** You’ve Been Hacked: On average it takes companies 6 months to detect a data breach.

“Cyber Crime and data breaches are estimated to cost businesses roughly $2 trillion globally in 2019”
Estimated Ransomware Costs - Texas 2019

County: $3,250,000
City: $2,340,000
Education: $1,800,000
Unreported: $5,000,000
What We Are Doing
Cyber Security Assessments - CoSM

- City conducted first security assessment in 2005.
- Conducted extensive network penetration test and application vulnerability assessment in 2019.
- Network Infrastructure Penetration Test in 2010.
- Conducted RISC assessment in 2016.
- Implemented various cyber security assessments and services, introduced Security training in 2018.
Email Security

- Rules has been implemented to scan for critical or sensitive data from leaving the City network – email must be encrypted
- Implemented rules to prohibit attackers from using the City’s email address
- All external emails are flagged for easy recognition
- Implemented an easy way for employees to report phishing from any device
- All emails have a standardized city signature
Security Features

• Implemented new technology on all external connections into the City’s network
• Block all bad known IP addresses from communicating with the City’s network
• Log forwarding for Firewall Logs
• Follow recommended best practices for remote connectivity
• Backup validation daily
• Critical infrastructure are protected with enhanced security features
• Automated firmware and security patch installation
• Multifactor authentication for mobile devices
• Application control for servers and workstation
• (Future) Library Isolation – Public access
Training and Education

- Mandatory Security Awareness Training
  - Conduct training during onboarding
  - Annual security training for all employees
  - Conduct periodic Phishing campaigns
- Keep employees informed on current cyber threats
- Conduct ad-hoc face-to-face security awareness training for the organization
- Attend regional training events/exercises
- Conduct Disaster Recovery exercises
Policies, Plans and Procedures

• Security Awareness Training Policy
• IT Security Policy
• Security Incident Response Plan
• Disaster Recovery Plan
City’s Insurance Protection

• Cyber threats are becoming increasingly common, and governmental entities are exposed to this threat. The City has a $1,000,000 cyber liability policy with a $0 deductible to cover security and privacy liability and a cyber Breach response (post-breach) service of up to $50,000.

• The information security and privacy liability insuring agreement is the true liability coverage component of a cyber and privacy insurance policy because it pays actual liability losses sustained from claims made against the insured by various parties.

• The post-breach services include:
  ▪ Privacy Breach Response Services
  ▪ Notification of Affected Individuals
  ▪ Call Center Support
  ▪ Breach Resolution
  ▪ Legal Services
  ▪ Computer Expert Services
  ▪ Public Relations and Crisis Management Services
Resources

• Multi State Information Sharing & Analysis Center (MS-ISAC)
• Department of Homeland Security (DHS)
• InfraGard
• United States – Computer Emergency Readiness Team (US – CERT)
• Managed Security Services – Department of Information Resources (DIR)
• Texas Association of Government Information Technology Managers (TAGITM)
• Office of Emergency Management
• US Secret Services
• Federal Bureau of Investigation
• Future - *(Texas - Information Sharing and Analysis Center- ISAC)*
Cyber Security Survey – Nation Wide

- Developed security awareness training for workers and contractors: 64%
- Created a culture of information security in your government: 63%
- Acquired and implemented continuous vulnerability monitoring capabilities: 57%
- Established trusted partnerships for information sharing and response: 50%
- Adopted a cybersecurity framework, based on national standards and guidelines: 42%
- Developed a cybersecurity disruption response plan: 27%
- Obtained cyber insurance: 54%
- Used metrics and testing to document program effectiveness: 25%

*In July-August 2018 PTI conducted a survey of local government IT executives representing cities and counties across the U.S.*
Looking Forward

Attacks have become more sophisticated and it is our job to evolve and adapt to protect the City.

• Continue training and educating staff (IT and End-Users)
• Conduct operational exercisers to validate processes and familiarize and train staff
• Evaluate and re-evaluate current security features, process, and policies
• Stay informed and continue working with security experts and consultants to test and validate our security posture.
Questions?
AGENDA CAPTION:
Receive an update and hold discussion regarding the City’s Bond Program related to the Fire Training Facility and the Library addition/renovation, and provide direction to the City Manager.

Meeting date: September 3, 2019

Department: City Manager’s Office

Amount & Source of Funding
Funds Required: N/A
Account Number: Click or tap here to enter text.
Funds Available: Click or tap here to enter text.
Account Name: Click or tap here to enter text.

Fiscal Note:

Prior Council Action: Click or tap here to enter text.

City Council Strategic Initiative: [Please select from the dropdown menu below]
Choose an item.
Choose an item.
Choose an item.

Comprehensive Plan Element(s): [Please select the Plan element(s) and Goal # from dropdown menu below]
- Economic Development - Choose an item.
- Environment & Resource Protection - Choose an item.
- Land Use - Choose an item.
- Neighborhoods & Housing - Choose an item.
- Parks, Public Spaces & Facilities - Choose an item.
- Transportation - Choose an item.
- Not Applicable

Master Plan: [Please select the corresponding Master Plan from the dropdown menu below (if applicable)]
Choose an item.

**Background Information:**
The City’s Bond Project managers with Jacobs will be providing the City Council with an update related to the Fire Training Facility and Library addition and renovation.

**Council Committee, Board/Commission Action:**
Click or tap here to enter text.

**Alternatives:**
Click or tap here to enter text.

**Recommendation:**
Click or tap here to enter text.
City of San Marcos
Bond Program Status Update

- Fire Training Facility Masterplan
- Library Addition/Renovation

3 September 2019
San Marcos Fire Training Center Master Plan
Estimated total cost to bring sanitary sewer and water to site exceeds our current bond budget. Off site utilities will be addressed in upcoming City CIP 2021-2022 infrastructure project.
Needs Analysis

• Review of Current and Anticipated Departmental Staffing
• Review of Current Training Practices
• Stakeholder Focus Group Interviews
• Photo Survey of Target Hazards
• Review of Existing Facilities
• Benchmarking of Best Practices in Fire Training Facilities
Photo Study
Photo Study
Priority Target Hazards

- Multi-Family Residential
- Difficult Single Family Residential
- High Rise/Vulnerable Population
- Big Box/Warehouse
- Historic Structures
- Hazardous Materials
- Transportation
Key Training Challenges

- Stair Access (Interior and Exterior)
- Exposures
- Limited or Diminished Access
- Large Area Search
- Technical Rescue
- Rescue of High Risk Populations
- Terrain
- High Water
SAN MARCOS FIRE DEPARTMENT
FIRE TRAINING CENTER

FUTURE PHASES

CONSTRUCTION:
PAVING- CONNECTIONS TO NEW BUILDINGS
AND PROPS, PARKING

TRAINING TOOLS:
2 LOGISTICS BUILDING
3 FIRE STATION
4 ADMINISTRATION/CLASSROOM BUILDING
5 TRAINING STORAGE BUILDING
6 TRAFFIC GATES
7 HIGH SPEED GATES

PROPS:
1 TWO STORY RESIDENCE BURN BUILDING
3 THREE STORY APARTMENT BURN BUILDING
5 SHOPPING CENTER BURN BUILDING
10 SIX STORY TOWER BURN BUILDING
11 USAR TECHNICAL RESCUE AREA
12 HAZARDOUS MATERIAL PROP
13 CAR FIRE PROP
14 FUEL CONTAINER PROP
15 OUTDOOR CLASSROOMS
16 DRIVING SKILLS PAD
Prioritized Training Elements

• 6 Story High Rise Burn Building
• Technical Rescue Training Structure
• 3 Story Apartment Burn Building
• Emergency Vehicle Driving Course
• 2 Story Residential Burn Building
• Commercial/Strip Shopping Center Burn Building
SAN MARCOS FIRE DEPARTMENT
FIRE TRAINING CENTER

PHASE ONE

Water and Sanitary Sewer to Site Not Included

CONSTRUCTION:
PAVING: NEW DRIVE CROSSING
CULVERT, CONNECTING TO PROP

PROPS:
1. TWO-STORY RESIDENCE BURN BUILDING
# San Marcos Fire Department - Fire Training Center

**Phase 1**

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<tr>
<th>Description</th>
<th>Quantity</th>
<th>Size (SF)</th>
<th>Total (SF)</th>
<th>Costs ($/SF)</th>
<th>Total Core Cost</th>
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<td>1. Two-story Residential Training / Class A Burn Building</td>
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<td>Includes Architectural, Engineering, and Reimbursable Costs</td>
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<td>$123,280</td>
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**Grand Total**

$1,853,780

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**San Marcos Fire Department**

**Fire Training Center**

**Phase One**

Construction:
- Private parking areas
- Curb cutout connecting to prop

Property:
- 1. Two-story residence burn building

Diagram of the proposed site layout is shown.
SAN MARCOS FIRE DEPARTMENT
FIRE TRAINING CENTER

FUTURE PHASES

CONSTRUCTION:
PAVING- CONNECTIONS TO NEW BUILDINGS AND PROPS, PARKING

TRAINING TOOLS:
2 LOGISTICS BUILDING
3 FIRE STATION
4 ADMINISTRATION/CLASSROOM BUILDING
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PROPS:
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13 CAR FIRE PROP
14 FUEL CONTAINER PROP
15 OUTDOOR CLASSROOMS
16 DRIVING SKILLS PAD
QUESTIONS?
Library Addition/ Renovation

BOND PROGRAM STATUS

- GMP negotiations finalized
- D/B construction estimates in-line with projected costs presented in June
- $12.1M GMP will keep project in-budget w/ assistance of Friends of the Library $1M pledge
- GMP amendment on September 17th council agenda for approval
- Early sitework construction drawings under review by Permit Dept.
- Construction to begin after GMP approval
- Project completion scheduled early 2021

<table>
<thead>
<tr>
<th>Total Project Budget</th>
<th>Estimated Total Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>$14.6 Million</td>
<td>$15.6 Million</td>
</tr>
</tbody>
</table>
- Additional parking east of the existing lot (193 spaces total)
- New covered drive-thru book drop off
- Existing front entrance repurposed as secured children’s reading garden
- New adult reading garden attached to new addition
Overall Floor Plan

- Interior design process ongoing, designing to GMP budget
- Complete renovation of existing space
- New addition more than doubles usable space
- Large meeting room to hold groups of 200+ people
- 10+ multipurpose meeting rooms and study spaces
- Expanded lobby/additional congregation space at new entrance
Sustainability Strategies

- Raingardens between parking lots to provide stormwater quality assistance
- 20+ new trees to be planted along Hopkins St.
- COSM’s Conservation Dept. has identified additional funds to be used for sustainability features
- Design team working to add rainwater harvesting system and artificial turf to the design with additional funds
QUESTIONS?
AGENDA CAPTION:
Executive Session in accordance with the following Government Code Sections:
A. Section § 551.071 - Consultation with Attorney: to receive a staff briefing and deliberate regarding the creation of Hays County Municipal Utility District No. 8.
B. Section § 551.087 - Economic Development: to receive a staff briefing and deliberate regarding Hays County Municipal Utility District No. 8.
Meeting date: 9/3/2019

Department: City Clerk's Office on behalf of the City Council

Amount & Source of Funding
Funds Required: Click or tap here to enter text.
Account Number: Click or tap here to enter text.
Funds Available: Click or tap here to enter text.
Account Name: Click or tap here to enter text.

Fiscal Note:
Prior Council Action: Click or tap here to enter text.

City Council Goal: [Please select goal from dropdown menu below]
Choose an item.
Choose an item.
Choose an item.

Comprehensive Plan Element(s): [Please select the Plan element(s) and Goal # from dropdown menu below]
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**Alternatives:**
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**Recommendation:**
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